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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/820,696	04/09/2004	Won-Kyu Bang	P57046	8730

7590  
Robert E. Bushnell  
Suite 300  
1522 K Street, N.W.  
Washington, DC 20005-1202

04/19/2007

EXAMINER

BROUSSARD, COREY M

ART UNIT

PAPER NUMBER

2835

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/19/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/820,696

Applicant(s)

BANG ET AL.

Examiner

Corey M. Broussard

Art Unit

2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 21-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 22 is/are allowed.
- 6) ☒ Claim(s) 21, 23 and 24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Finality*

1. Under further consideration the allowability of claims 21, 23, and 24 is vacated and the claims are rejected over new art. The Finality of the previous office action is withdrawn.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 21, 23, and 24 are rejected under 35 U.S.C. 102(e) as being anticipated by Sung et al. (PN 6,894,739). With respect to claim 21, Sung teaches a display apparatus, comprising: a display panel (30); a chassis (40) comprising a base (central portion of 40), the base of the chassis supporting the display panel (the chassis is connected to and provides structural support to the display panel, see Fig. 4), the chassis further comprising a flange extending from an upper edge of the base as a single body (see Fig. 5 clearly teaching the chassis has a flange on 4 sides, the flange is reasonably characterized as a single body) and arranged along the upper edge of the base and adapted to prevent the base from bending, the flange being perforated by a

hole (Fig. 5 clearly teaches the flange has a plurality of holes); a printed circuit board (60) with parts mounted thereon, the printed circuit board being mounted on the base of the chassis and being adapted to drive the display panel (see Fig. 4); and a case (10, 20) accommodating the display panel, the chassis, and the printed circuit board, the flange extending over and beyond the parts on the printed circuit board (the flange is positioned over and extends beyond the circuit board, see Fig. 4, and col 3, 49-57 teaching the circuit board is between the base and panel).

4. With respect to claim 23, Sung teaches a display apparatus comprising: a display panel (30) displaying variable images; a chassis (40) comprising a base (central portion of 40), the base of the chassis supporting the display panel (the chassis is connected to and provides structural support to the display panel, see Fig. 4), the chassis further comprising a flange extending from an upper edge of the base as a single body (see Fig. 5 clearly teaching the chassis has a flange on 4 sides, the flange is reasonably characterized as a single body) and arranged along the upper edge of the base, the flange being adapted to prevent the base from bending, the flange being perforated by a hole (Fig. 5 clearly teaches the flange has a plurality of holes); a printed circuit board (60) with parts mounted thereon, the printed circuit board being mounted on the base of the chassis and being adapted to drive the display panel (see Fig. 4); a case (10, 20) housing the display panel, the chassis, and the printed circuit board (col 3, 49-57), the case having a rear cover perforated by two sets of holes (two sets can be arranged from the plurality of holes 23), the hole on the flange being near one of said two sets of holes in said rear cover, the chassis further comprising a reinforcing rib attached to an end of

the flange opposite the base (see Fig. 5), the reinforcing rib running along an entire length of the flange, the reinforcing rib being on an opposite side of the printed circuit board than the base of the chassis.

5. With respect to claim 24, Sung teaches a display apparatus comprising: a display panel (30) displaying variable images; a chassis (40) comprising a base (central portion of 40), the base of the chassis supporting the display panel (the chassis is connected to and provides structural support to the display panel, see Fig. 4), the chassis further comprising a flange extending from an upper edge of the base as a single body (see Fig. 5 clearly teaching the chassis has a flange on 4 sides, the flange is reasonably characterized as a single body) and arranged along the upper edge of the base, the flange being adapted to prevent the base from bending, the flange being perforated by a hole (Fig. 5 clearly teaches the flange has a plurality of holes); a printed circuit board (60) with parts mounted thereon, the printed circuit board being mounted on the base of the chassis and being adapted to drive the display panel (see Fig. 4); a case (10, 20) housing the display panel, the chassis, and the printed circuit board (col 3, 49-57), the case having a rear cover perforated by two sets of holes (two sets can be arranged from the plurality of holes 23), the hole on the flange being near one of said two sets of holes in said rear cover, the chassis further comprising a reinforcing rib attached to an end of the flange opposite the base (see Fig. 5), the reinforcing rib running along an entire length of the flange, the reinforcing rib being narrower than the flange.

***Allowable Subject Matter***

Art Unit: 2835

6. Claim 22 is allowed. See previous office action filed October 16, 2006 for the reasons for allowance.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Response to Arguments***

8. Applicant's arguments filed January 8, 2007 have been considered but are moot since the rejected claims have been cancelled.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Corey M. Broussard whose telephone number is 571 272 2799. The examiner can normally be reached on M-F 7:30am-4:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JP Gandhi can be reached on 571 272 3740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CMB  
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 **ANATOLY VORTMAN  
PRIMARY EXAMINER**